```
EEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEEEEEEEEEEE       DDD      DDD        TTT
EEEEEEEEEEEE       DDD      DDD        TTT
EEEEEEEEEEEE       DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEE                DDD      DDD        TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDD          TTT
```

FILEID**LSUBSN

```
LL           SSSSSSSS  UU      UU  BBBBBBBB        SSSSSSSS  NN        NN
LL           SSSSSSSS  UU      UU  BBBBBBBB        SSSSSSSS  NN        NN
LL         SS          UU      UU  BB      BB  SS            NN        NN
LL         SS          UU      UU  BB      BB  SS            NN        NN
LL         SS          UU      UU  BB      BB  SS            NNNN      NN
LL         SS          UU      UU  BB      BB  SS            NNNN      NN
LL           SSSSSS    UU      UU  BBBBBBBB        SSSSSS    NN  NN    NN
LL           SSSSSS    UU      UU  BBBBBBBB        SSSSSS    NN  NN    NN
LL               SS    UU      UU  BB      BB            SS  NN    NNNN
LL               SS    UU      UU  BB      BB            SS  NN    NNNN
LL               SS    UU      UU  BB      BB            SS  NN        NN
LL               SS    UU      UU  BB      BB            SS  NN        NN    ....
LLLLLLLLLL  SSSSSSSS   UUUUUUUUUU  BBBBBBBB    SSSSSSSS      NN        NN    ....
LLLLLLLLLL  SSSSSSSS   UUUUUUUUUU  BBBBBBBB    SSSSSSSS      NN        NN    ....

LL           IIIIII        SSSSSSSS
LL           IIIIII        SSSSSSSS
LL             II      SS
LL             II      SS
LL             II      SS
LL             II      SS
LL             II          SSSSSS
LL             II          SSSSSS
LL             II                SS
LL             II                SS
LL             II                SS
LL             II                SS
LLLLLLLLLL   IIIIII    SSSSSSSS
LLLLLLLLLL   IIIIII    SSSSSSSS
```

```
0001  0  %TITLE 'EDT$LSUBSN - SUBSTITUTE NEXT line-mode command'
0002  0  MODULE EDT$LSUBSN (                              ! SUBSTITUTE NEXT line-mode command
0003  0                    IDENT = 'V04-000'             ! File: LSUBSN.BLI Edit: JBS1007
0004  0                    ) =
0005  1  BEGIN
0006  1  !
0007  1  !*****************************************************************************
0008  1  !*                                                                           *
0009  1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
0010  1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                  *
0011  1  !*   ALL RIGHTS RESERVED.                                                    *
0012  1  !*                                                                           *
0013  1  !*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED   *
0014  1  !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
0015  1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
0016  1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
0017  1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
0018  1  !*   TRANSFERRED.                                                            *
0019  1  !*                                                                           *
0020  1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
0021  1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
0022  1  !*   CORPORATION.                                                            *
0023  1  !*                                                                           *
0024  1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
0025  1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
0026  1  !*                                                                           *
0027  1  !*                                                                           *
0028  1  !*****************************************************************************
0029  1  !
0030  1  !
0031  1  !++
0032  1  ! FACILITY:     EDT -- The DEC Standard Editor
0033  1  !
0034  1  ! ABSTRACT:
0035  1  !
0036  1  !       This module executes the line mode SUBSTITUTE NEXT command.
0037  1  !
0038  1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
0039  1  !
0040  1  ! AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
0041  1  !
0042  1  ! MODIFIED BY:
0043  1  !
0044  1  ! 1-001 - Original.  DJS 30-JAN-1981.  This module was created by
0045  1  !         extracting the routine EDT$$SUB_NXTCMD  from the module EXEC.BLI.
0046  1  ! 1-002 - Regularize headers.  JBS 20-Mar-1981
0047  1  ! 1-003 - Change SUBSTITUTE to EDT$$SUB_NXT .  JBS 27-Mar-1981
0048  1  ! 1-004 - Worry about string truncation.  JBS 05-May-1982
0049  1  ! 1-005 - Refresh the screen if this command is executed under EXT.  JBS 07-Jul-1982
0050  1  ! 1-006 - Put edt$$tst_eob in line. STS 22-Sep-1982
0051  1  ! 1-007 - Remove EDT$$G_SCR_CHGD, not needed by new screen logic.  JBS 09-Oct-1982
0052  1  !--
0053  1
```

```
55    0054  1  %SBTTL 'Declarations'
56    0055  1  !
57    0056  1  ! TABLE OF CONTENTS:
58    0057  1  !
59    0058  1
60    0059  1  REQUIRE 'EDTSRC:TRAROUNAM';
61    0498  1
62    0499  1  FORWARD ROUTINE
63    0500  1      EDT$$SUB_NXTCMD : NOVALUE;                          ! Process the SUBSTITUTE NEXT command
64    0501  1
65    0502  1  !
66    0503  1  ! INCLUDE FILES:
67    0504  1  !
68    0505  1
69    0506  1  REQUIRE 'EDTSRC:EDTREQ';
70    0641  1
71    0642  1  !
72    0643  1  ! MACROS:
73    0644  1  !
74    0645  1        NONE
75    0646  1  !
76    0647  1  ! EQUATED SYMBOLS:
77    0648  1  !
78    0649  1        NONE
79    0650  1  !
80    0651  1  ! OWN STORAGE:
81    0652  1  !
82    0653  1        NONE
83    0654  1  !
84    0655  1  ! EXTERNAL REFERENCES:
85    0656  1  !
86    0657  1  !      In the routine
```

M 14

EDT$LSUBSN   EDT$LSUBSN - SUBSTITUTE NEXT line-mode command 16-Sep-1984 01:02:03   VAX-11 Bliss-32 V4.0-742   Page 3
V04-000   EDT$$SUB_NXTCMD   - SUBSTITUTE NEXT line-mode co 14-Sep-1984 12:23:44   DISK$VMSMASTER:[EDT.SRC]LSUBSN.BLI;1   (3)

```
:    88         0658  1  %SBTTL 'EDT$$SUB_NXTCMD  - SUBSTITUTE NEXT line-mode command'
:    89         0659  1
:    90         0660  1  GLOBAL ROUTINE EDT$$SUB_NXTCMD                              ! SUBSTITUTE NEXT line-mode command
:    91         0661  1     : NOVALUE =
:    92         0662  1
:    93         0663  1  !++
:    94         0664  1  ! FUNCTIONAL SPECIFICATION:
:    95         0665  1  !
:    96         0666  1  !     Command processing routine for SUBSTITUTE NEXT.  This command keeps
:    97         0667  1  !     trying to do a substitution until it succeeds.
:    98         0668  1  !
:    99         0669  1  ! FORMAL PARAMETERS:
:   100         0670  1  !
:   101         0671  1  !     NONE
:   102         0672  1  !
:   103         0673  1  ! IMPLICIT INPUTS:
:   104         0674  1  !
:   105         0675  1  !     EDT$$A_CUR_BUF
:   106         0676  1  !     EDT$$A_EXE_CURCMD
:   107         0677  1  !     EDT$$A_WK_LN
:   108         0678  1  !
:   109         0679  1  ! IMPLICIT OUTPUTS:
:   110         0680  1  !
:   111         0681  1  !     EDT$$G_EXE_SUBCNT
:   112         0682  1  !
:   113         0683  1  ! ROUTINE VALUE:
:   114         0684  1  !
:   115         0685  1  !     NONE
:   116         0686  1  !
:   117         0687  1  ! SIDE EFFECTS:
:   118         0688  1  !
:   119         0689  1  !     NONE
:   120         0690  1  !
:   121         0691  1  !--
:   122         0692  1
:   123         0693  2     BEGIN
:   124         0694  2
:   125         0695  2     EXTERNAL ROUTINE
:   126         0696  2         EDT$$SET_STR,
:   127         0697  2         EDT$$SUB_NXT : NOVALUE,
:   128         0698  2         EDT$$RD_CURLN,
:   129         0699  2         EDT$$RD_NXTLN,
:   130         0700  2         EDT$$FMT_MSG : NOVALUE;
:   131         0701  2
:   132         0702  2     EXTERNAL
:   133         0703  2         EDT$$A_CUR_BUF : REF TBCB_BLOCK,
:   134         0704  2         EDT$$A_WK_LN : REF LIN_BLOCK,
:   135         0705  2         EDT$$Z_EOB_LN,
:   136         0706  2         EDT$$A_EXE_CURCMD : REF NODE_BLOCK,      ! Pointer to the current command.
:   137         0707  2         EDT$$G_EXE_SUBCNT;                       ! No. of substitutions done.
:   138         0708  2
:   139         0709  2     LOCAL
:   140         0710  2         STRINGS_OK;
:   141         0711  2
:   142         0712  2     MESSAGES ((INVSTR));
:   143         0713  2     STRINGS_OK = 1;
:   144         0714  2  !+
```

```
: 145    0715  2 ! Check to see if new search and replace strings were specified and, if
: 146    0716  2 ! they were, set them up.
: 147    0717  2 !-
: 148    0718  2
: 149    0719  2     IF (.EDT$$A_EXE_CURCMD [STR_PNT] NEQ 0) THEN STRINGS_OK = EDT$$SET_STR ();
: 150    0720
: 151    0721  2 !+
: 152    0722  2 ! Zero the substitute count.
: 153    0723  2 !-
: 154    0724  2     EDT$$G_EXE_SUBCNT = 0;
: 155    0725  2 !+
: 156    0726  2 ! Make sure we are correctly positioned at the current line.
: 157    0727  2 !-
: 158    0728  2     EDT$$RD_CURLN ();
: 159    0729  2 !+
: 160    0730  2 ! Loop until a substitution is done or the end of buffer is encountered.
: 161    0731  2 !-
: 162    0732  2
: 163    0733  2     WHILE ((.EDT$$A_WK_LN NEQA EDT$$Z_EOB_LN) AND (.EDT$$G_EXE_SUBCNT EQL 0) AND .STRINGS_OK) DO
: 164    0734  3         BEGIN
: 165    0735  3 !+
: 166    0736  3 ! Attempt a single substition on this line starting at the cursor
: 167    0737  3 ! position.
: 168    0738  3 !-
: 169    0739  3         EDT$$SUB_NXT (1, .EDT$$A_CUR_BUF [TBCB_CHAR_POS]);
: 170    0740  3 !+
: 171    0741  3 ! If no substitutions were performed, try again on the next line.
: 172    0742  3 !-
: 173    0743  3
: 174    0744  3         IF (.EDT$$G_EXE_SUBCNT EQL 0) THEN EDT$$RD_NXTLN ();
: 175    0745  3
: 176    0746  2         END;
: 177    0747  2
: 178    0748  2     IF ( NOT .STRINGS_OK) THEN EDT$$FMT_MSG (EDT$_INVSTR);
: 179    0749  2
: 180    0750  1     END;                                        ! of routine EDT$$SUB_NXTCMD
```

```
                                                    .TITLE   EDT$LSUBSN EDT$LSUBSN - SUBSTITUTE NEXT line-mo
                                                              de command
:                                                   .IDENT   \V04-000\

                                                    .EXTRN   EDT$$SET_STR, EDT$$SUB_NXT
                                                    .EXTRN   EDT$$RD_CURLN, EDT$$RD_NXTLN
                                                    .EXTRN   EDT$$FMT_MSG, EDT$$A_CUR_BUF
                                                    .EXTRN   EDT$$A_WK_LN, EDT$$Z_EOB_LN
                                                    .EXTRN   EDT$$A_EXE_CURCMD
                                                    .EXTRN   EDT$$G_EXE_SUBCNT
                                                    .EXTRN   EDT$_INVSTR

                                                    .PSECT   _EDT$CODE,NOWRT,  SHR,  PIC,2

                              000C 00000            .ENTRY   EDT$$SUB_NXTCMD, Save R2,R3             : 0660
        53 00000000G    00 9E 00002                 MOVAB    EDT$$G_EXE_SUBCNT, R3
        52              01 D0 00009                 MOVL     #1, STRINGS_OK                         : 0713
        50 0000G000G    00 D0 0000C                 MOVL     EDT$$A_EXE_CURCMD, R0                  : 0719
                    08  A0 D5 00013                 TSTL     8(R0)
```

```
                                            0A 13 00016            BEQL     1$
                    00000000G 00            00 FB 00018            CALLS    #0, EDT$$SET_STR
                              52            50 D0 0001F            MOVL     R0, STRINGS_OK
                                            63 D4 00022 1$:        CLRL     EDT$$G_EXE_SUBCNT              :  0724
                    00000000G 00            00 FB 00024            CALLS    #0, EDT$$RD_CURLN             :  0728
                              50 00000000G  00 9E 0002B 2$:        MOVAB    EDT$$Z_EOB_CN, R0            :  0733
                              50 00000000G  00 D1 00032            CMPL     EDT$$A_WK_CN, R0
                                            28 13 00039            BEQL     3$
                                            63 D5 0003B            TSTL     EDT$$G_EXE_SUBCNT
                                            24 12 0003D            BNEQ     3$
                                            52 E9 0003F            BLBC     STRINGS_OK, 4$
                              50 00000000G  00 D0 00042            MOVL     EDT$$A_CUR_BUF, R0           :  0739
                              7E       0C   A0 3C 00049            MOVZWL   12(R0), -(SP)
                                            01 DD 0004D            PUSHL    #1
                    00000000G 00            02 FB 0004F            CALLS    #2, EDT$$SUB_NXT             :  0744
                                            63 D5 00056            TSTL     EDT$$G_EXE_SUBCNT
                                            D1 12 00058            BNEQ     2$
                    00000000G 00            00 FB 0005A            CALLS    #0, EDT$$RD_NXTLN            :  0733
                                            C8 11 00061            BRB      2$                           :  0748
                              0D            52 E8 00063 3$:        BLBS     STRINGS_OK, 5$
                              00000000G     8F DD 00066 4$:        PUSHL    #EDT$_INVSTR
                    00000000G 00            01 FB 0006C            CALLS    #1, EDT$$FMT_MSG
                                            04 00073 5$:           RET                                   :  0750
```

; Routine Size: 116 bytes,   Routine Base: _EDT$CODE + 0000

```
;   181          0751 1
;   182          0752 1 !<BLF/PAGE>
```

```
; 184      0753 1 END                                                ! of module EDT$LSUBSN
; 185      0754 1
; 186      0755 0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_EDT$CODE	116	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	-------- Symbols -------- Total	Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[EDT.SRC]EDT.L32;1	377	82	21	40	00:00.2
_255DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

    BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:LSUBSN/OBJ=OBJ$:LSUBSN MSRC$:LSUBSN.BLI/UPDATE=(ENH$:LSUBSN)

```
; Size:           116 code + 0 data bytes
; Run Time:        00:11.5
; Elapsed Time:    00:14.0
; Lines/CPU Min:   3928
; Lexemes/CPU-Min: 11505
; Memory Used: 83 pages
; Compilation Complete
```